

## **CLAIMS**

What is claimed is:

1. A system for transforming between data shapes, comprising:
  - the use of a query language adapted to extract information from a first data shape and generate a representation of a second data shape; and
  - the use of a query engine adapted to generate the default mapping between the representation and the second data shape.
2. A system according to claim 1, wherein:
  - the query language is an XML query language.
3. A system according to claim 1, wherein:
  - at least one of the first and second data shapes is an XML data shape.
4. A system according to claim 1, wherein:
  - at least one of the first and second data shapes is a Java data shape.
5. A method for transforming between data shapes, comprising:
  - querying a first data shape to extract information from the first data shape and generate a representation of a second data shape; and
  - generating a default mapping between the representation and the second data shape.
6. A computer-readable medium, comprising:
  - means for querying a first data shape to extract information from the first data shape and generate a representation of a second data shape; and
  - means for generating a default mapping between the representation and the second data shape.
7. A computer program product for execution by a server computer for transforming between data shapes, comprising:
  - computer code for querying a first data shape to extract information from the first data shape

and generate a representation of a second data shape; and

computer code for generating a default mapping between the representation and the second data shape.

8. A system for transforming between data shapes, comprising:

means for querying a first data shape to extract information from the first data shape and generate a representation of a second data shape; and

means for generating a default mapping between the representation and the second data shape.

9. A computer system comprising:

a processor;

object code executed by said processor, said object code configured to:

query a first data shape to extract information from the first data shape and generate a representation of a second data shape; and

generate a default mapping between the representation and the second data shape.

10. A computer data signal embodied in a transmission medium, comprising:

a code segment including instructions to query a first data shape to extract information from the first data shape and generate a representation of a second data shape; and

a code segment including instructions to generate a default mapping between the representation and the second data shape.